



W2NPT

The Resonator

Volume 2, Number 3

www.FairLawnARC.org

March 2017

The Official Newsletter of The Fair Lawn (NJ) Amateur Radio Club

From The President:

Dear Fair Lawn Amateur Radio Club Members,

February certainly went by very fast!! Our guest speaker Deputy Mayor Kurt Peluso is very involved with his non-profit organizations and interested in how our radio club can continue to help Fair Lawn. Once Randy, WU2S, started giving Kurt a tour of our communication rooms, he was amazed at what we have to offer on behalf of the Borough of Fair Lawn.

To highlight the month, Van and Lori's Cuba presentation was terrific. Standing room only and that showed much support to Van and his family. That is one trip they will not forget. I'm hoping if they go on another "field trip" their memories will once again be put to film.

As you all know the club has equipment at each station and some of it is collecting dust. How about taking some time off from the conference room and join in with other operators or see what is happening at the work/test bench. You can have just as much fun there too.

As the year progresses the Publicity Committee is scheduling speakers to visit and see what we are all about. So take a look at our website and keep yourself up to date. Judith, KC2LTM
President

Member Profile

NAME: **Randy** CALL: **WU2S**

What do you do/what did you do for a living?

My first serious use of computers started in 1964 with a series of college courses aimed at certain high school students. Ultimately my interest led to an industrial engineering job at United Parcel Service. Over nearly forty years I pioneered many technical innovations which resulted in the use of information technology in all aspects of the firm's operations.

How did you get interested in ham radio?

Many of us know that raising a large family and working in corporate management can be stressful. As a means of relaxing I started listening to shortwave radio broadcasts while waiting for the kids to get ready for school and in the evenings when they were doing their homework. My favorite station was Radio New Zealand International through which I learned a lot about that distant country and even better, heard about events in the small Pacific island nations.

My growing interest in radio, and the occasional ham radio conversation I stumbled upon, propelled me to find local people who could tell me more. With the help of hams at FLARC and BARA, I became a ham myself in 1989 as N2JOC.

What parts of the hobby most interest you?

Mesh networking with the AREDN project is my current primary interest. High-speed communications on the microwave bands is a huge departure from the QRP operating on the HF bands that was my main focus many years ago.

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Monday Night Check-In

Monday's at 2000 on the FLARC repeater. We continue to have new check-in's with each passing week--eleven on February 20th. From "snowbird" updates to weekly get-togethers, let's hope the interest continues. Thanks to all!!

Snowbird Net Check-In's

Thanks to KC2TBD, W2KBF, W2JC, KD2KLN, KC2X, N8MAR, N2DI, W2IP, WX2R, W2TAB (From Florida), WU2S (From Florida) among our recent Monday night check-in's. See above for the details.

Club Apparel Is Here!!

2017 has arrived and club apparel is always in vogue. Red is always in and your club friends all have them...you *want* a shirt or jacket for Field Day!



This space reserved for the next member proudly wearing the FLARC polo shirt!

Don't forget.... they're easy to order.

Go to www.hamthreads.com or visit <http://apparel.FairLawnARC.org> to check out the item selection that is posted on the FLARC website (with pictures and prices). Order the shirts or other items you want with either the regular FLARC logo or the still-cool 60th anniversary logo.

Note:

RED is the primary and preferred club brand standard shirt color.

Save The Date: March 17th FLARC: It's All About Us: A View From The Membership

The next speaker in our 2017 Speaker Series will be club PIO (Public Information Officer) Ed Efchak (WX2R) who will discuss the annual membership survey sent out in January.

The survey was answered by more than half the membership so it's an interesting snapshot of how we feel the club can be improved, how we operate and our interests regarding club programs and activities for the upcoming year.

Ed has been a ham since 1976 (originally WN2AIV, then KB2IKI) and has been a current FLARC member for about three years -- returning to the club after about a two decade's absence. Ed is a past Secretary for the club and also was its newsletter editor with Art (KB2DOQ) back in the days of duplicating machines.

He left the club after meeting and marrying a nice YL (Barbara) who created far more exciting social activities for him on Friday nights -- plus they moved to Vermont.

He also is a member of the Addison County Amateur Radio Association (ACARA) in Vermont and the Frankford Radio Club. He is a past PIO for the NNJ Section of the ARRL. You'll usually find him on CW and PSK31.

Although retired from the media business, Ed still runs a boutique marketing and research consultancy that keeps him both busy with paying and angry at non-paying clients.



Ed (WX2R) at his secret Vermont QTH

The Club

Fair Lawn ARC is the friendliest ham club around with five operating stations in a permanent clubhouse. Visitors and guests are always welcome. The club is open every Friday night from NLT 6:30 PM. Business meetings are the first Friday of the month at 7:30PM.

2017 Officers and Committees

President	Judith Shaw	KC2LTM
Vice President	Fred Wawra	W2ABE
Treasurer	Nancy Beattie	N2FWI
Secretary	Randy Smith	WU2S
Trustee	J Cooper	W2JC
Trustee	Dave Marotti	N8MAR
Trustee	Steve Wraga	WA2BYX
Field Day	Steve Wraga	WA2BYX
Speakers	Lowell Vant Slot	W2DLT
Publicity	Ed Efchak	WX2R
Publicity	Susan Frank	W6SKT
Publicity	Lowell Vant Slot	W2DLT
Publicity	Al Rasmussen	WA2OWL
Publicity	Karl Frank	W2KBF
Publicity	Judith Shaw (ex officio)	KC2LTM
Social Media	Dave Marotti	N8MAR
Video/YouTube	Thom Guida	W2XTZ
Contest	Tom Stefanic	N2ST
VE Liaison	Gene Ottenheimer	WO2W
VE Liaison	Pete Senesi	KD2BMX
Education	Gordon Beattie	W2TTT
Education	Gene Ottenheimer	WO2W
Education	Lowell Vant Slot	W2DLT
Education	Ed Efchak	WX2R
History	Gene Ottenheimer	WO2W
History	Lowell Vant Slot	W2DLT
History	Rosalyn Roimisher	KD2GKA
Photographer	Don Cassarini	N2PRT
W2NPT Trustee	Paul Cornett	W2IP
Technical	Paul Cornett	W2IP
Technical	Randy Smith	NU2S
RACES Liaison	Steve Wraga	WA2BYX
Newsletter Editor	Ed Efchak	WX2R

Member Profile (Continued)

Through my AREDN work, I meet many hams who support emergency communications and that is the most satisfying aspect of all – talking with people who volunteer for public service in the best traditions of amateur radio.

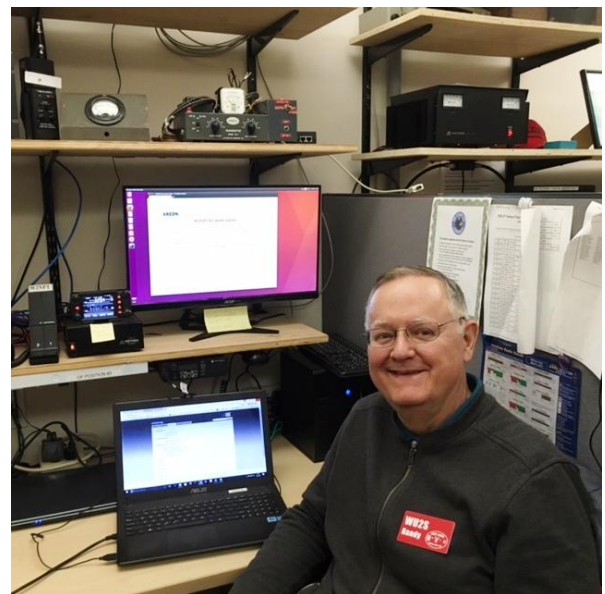
What does belonging to FLARC mean to you?

How do you/can you better contribute to the club?

FLARC is a wonderful, lively, diverse group with a common core of interests. As Secretary, I try to do my best to capture the details of our business meetings for those who can't attend in person and to keep an accurate record of our activities.

What should be the club's priorities in the next year?

The club has developed a clear set of effective priorities which should continue. We're reaching more people through our newsletter, social media, the website and personal engagement with local civic groups. The club has hosted well-known speakers who have entertained and educated many. Our equipment and facilities are used more often as we participate in special events and contests. These activities bring in new members and correct a mistaken view that amateur radio is a dying hobby for old men. Our efforts to introduce ham radio to younger people is something all of us should support.



Randy (WU2S) at the MESH station at FLARC

MASTER EVENT CALENDAR

March 17	Ed Efchak (WX2R) "It's About Us!" -- The FLARC Membership Survey
April 13	FLARC Earth Day Educational Station At Great Falls National Historical Park
April 21	Matthew Ryffel (K2NUD) "Cyber Security: All You Need To Know"
May 12	Gordon Beattie (W2TTT) "AREDN and the 2016 New York City Marathon"
May 13	Portable Day With BARA
May 29	Memorial Day Parade
June 11	Fair Lawn Street Fair
June 16	Radio Astronomy and Amateur Radio presentation
June 24-25	Field Day
July 4	Fair Lawn Fireworks
August 19-20	North American SSB QSO Party
September 16-17	NJ QSO Party
September 23	Portable Day With BARA
October 15	Fair Lawn Street Fair

Upcoming Activities

TBD

W1TP Enigma Presentation w/Fair Lawn Public Library



Hidetsugu Yagi's 130th Birthday Google Doodle

Follow FLARC ON THE WEB

Facebook:

<https://www.facebook.com/OfficialFLARC/>

Twitter: @FairLawnARC

Blog: <http://blog.FairLawnARC.org>

Youtube: <http://youtube.FairLawnARC.org>

FLARC VEC Exams

Our next test session is scheduled for **Saturday, March 18th** beginning at 0900 at the Community Center.

No advanced registration is required but always appreciated. The fee is \$15.00 (cash or check).

Please bring positive identification (license, passport, etc.), your original license and a copy, original CSCE and a copy (if credit is needed).

The full exam schedule is on the club calendar at the FairLawnARC.org website. For further information contact VE-Liason@FairLawnARC.org. Please refer also to the "License Exams" link on the main website--

<http://testing.FairLawnARC.org>

A Reminder About W2NPT

It was brought to my attention that recently that our club call sign was being used by a club member not operating at the club. While the activity occurred during a contest, the contest committee chose neither to participate in the contest at the club nor did the publicity committee advertise the activity at the club in the newsletter.

While I encourage people to operate, club members are not permitted to use the club call sign, W2NPT, while operating their own station and/or for non-sanctioned club activities. Conversely, no member, guest or acquaintance of the club shall use their own assigned FCC call sign while operating the club equipment at the club operating location. An exception: while control operator or net control during a club sanctioned activity; e.g.: 'this is W2NPT, operator <call sign>'.

Paul W2IP (W2NPT Trustee)

Corrections and Amplifications: Notes From All Over

We had a note last month that listed a number of old time members and the story credited Mr. Graff of the Rec Department. Actually the contacts were submitted by Roger (K2RRB) from his logbook and he was wondering if any of his friends were still around and active. *Ed-itor's error...sorry!!*

Important Repeater Change

Effective immediately, the new CTCSS encode/decode tone is **167.9 Hz** or EIA code 6Z. The DMR technical info remains unchanged.

The change was necessary to prevent a wide, near-frequency, spurious emission on 144.880 from keying the repeater. The spurious signal appeared about three weeks ago but was not related to the past ongoing transmit issue with the repeater itself.

FLARC AT 61

Strong Roots.....New Growth



Member Profile (Continued)

What else can you tell the club about yourself and/or ham radio?

I am happily retired after a lifetime of hard work. There is a new member of our family – a micro Saint Bernard puppy named Whimsy. She loves taking me for walks and travelling with us.

What other ham related clubs or organizations do you belong to?

In addition to BARA I am also a member of a club in Sarasota Florida that is building a mesh network to support emergency communications in Sarasota County and the surrounding area. I am a founding member of AREDN – the Amateur Radio Emergency Data Network. My responsibilities with AREDN include building and operating the website, producing marketing materials, selling merchandise and arranging presentations at ham radio events.

FLARC Presents To The Fair Lawn Chamber Of Commerce

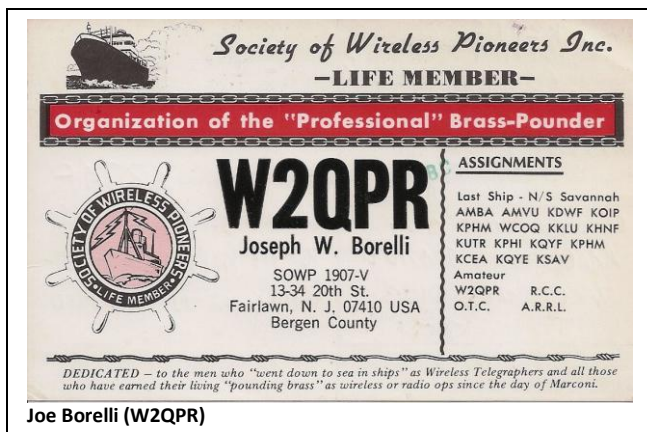
Ed (WX2R) was invited to speak to the Fair Lawn Chamber on February 21st. A good crowd, lots of questions, and new friends.



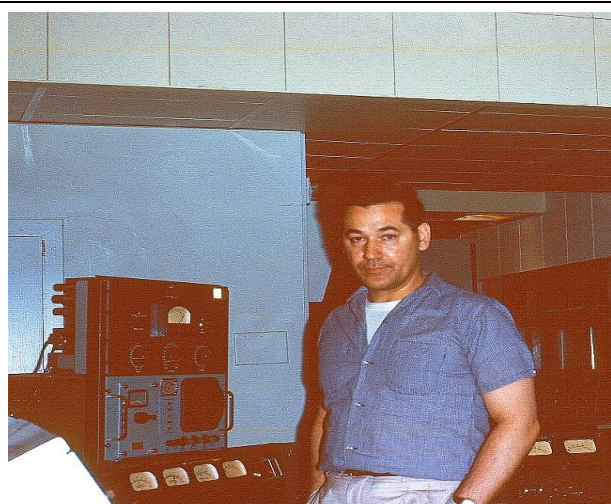
Ed (WX2R) talks FLARC and satellites to the Fair Lawn Chamber

A Look Back

From the Dick Kuiken (K2TAF) collection, this March 9, 1986 QSL card was from right up the block. Dick's comment was "enjoyed the chat with rare DX station". Hi hi.



Joe Borelli (W2QPR)



Borelli in 1965

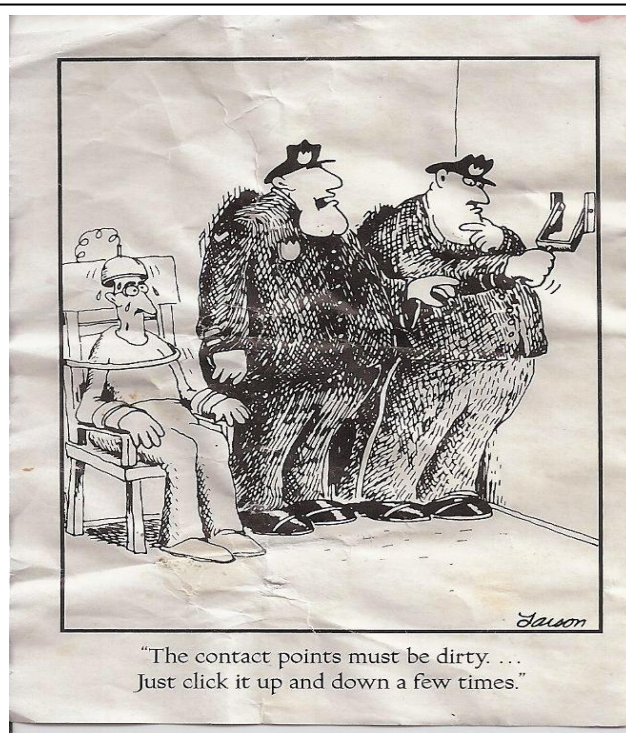
Joe was an electrical engineer who worked for CBS television and was a member of the Ham Radio Operators Association. He became a Silent Key in 2009.

2017 DUES ARE DUE

Don't forget to write a check or see our officers/Treasurer for your payment.

Do it NOW-- while you're reading this and thinking about it.

Renewal is \$25.00 payable to:
Fair Lawn Amateur Radio Club



April Resonator Deadline

Usually *The Resonator* arrives on the weekend following the monthly business meeting.

But not in April.

It's editor's convention and he'll be traveling overseas in early April, with your newsletter arriving on or about April 9th.

February 2017 Blog Traffic

February surpassed last year in page views for the blog. Visitor traffic was up slightly. Here is the data:

	February 2017	February 2016	Change
Views	515	387	+33%
Visitors	125	118	+6%
Posts	13	23	-43%

There is new content nearly every day so it's really worth the look to both FairLawnARC.org and the blog.

<http://blog.FairLawnARC.org>

Tech Talk

Have a Face for Radio?

Or better still, have a voice for radio?

Lu Romero, W4LT, says there's a lot you can do to improve your audio if you understand the basics. Lu is a very successful radio contester with an audio professional's knowledge of sound. He gave a presentation recently at the ARRL West Central Florida section Technical Conference on Audio Processing Basics: Being Heard and Understood.

He started by explaining how the human voice works and how power is distributed across the audio spectrum between 200 Hz and 3300 Hz in a typical male voice. The vowels contain the most power. There is more energy at the low end than at the higher tones.

Since successful contesting depends on being understood, Lu cautioned that "The 'power' of a given voice does not equate to the intelligibility of the voice as a communication transmitter. The idea is that just because a person has a 'booming' voice does not mean that they are easy to understand."

He also stressed that ALC does NOT process audio and increase modulation. Do not ever use it to manage audio. So, what should be done to improve the intelligibility of your voice? It starts with a good quality microphone and an environment without echoes.

Managing the audio processing chain happens in four steps in this exact order – gating, equalization, compression and limiting.

- Gating –
Reduces or prevents extraneous noise in the communication channel
- Equalization –
Boosts or reduces certain frequency bands
- Compression –
Reduces "dynamic range" of a signal
- Limiting –
Prevents dynamic range "overrun"

When these things are done properly, you can communicate a message with 3 kHz that maximizes intelligibility and uses all the available power for information transfer. You also increase your signal-to-noise ratio across the audio spectrum.

Here's listening to you, kid,

Randy WU2S

Van (W2DLT) And Wife Lori Share A Cuban Contest Adventure

A FLARC crowd of nearly 70 guests packed the Teen Room on February 17th to hear the exciting tale of Van (W2DLT) and Lori's contest DXpedition to Cuba. What a presentation!! Thanks to both.!



Van and Lori take us on a Cuba travelogue.



Visitors from the community and other area clubs came to watch.



A full house in the Teen Room...SRO at the back as well!!

Congratulations!!

Pete (KD2BMX) reports that we had a total of five (5) candidates served for VE Amateur Radio Testing at our February session.

Steven Boston III	K2SAB	Passed Extra Element
Mark S. Miccio	No Call	Passed Technician Element
Angle Mendez	No Call	Passed Technician Element
Philip Gengler	KC2ONL	Passed General Element
Jinsuk Kim	No Call	Passed Technician Element

Congratulations!!

FLARC TO VISIT THE FAIR LAWN CHAMBER OF COMMERCE

Ed (WX2R), our PIO, was invited to talk about the club and its role in Fair Lawn on February 21st. The invitation came about from our participation at the September Fair Lawn Street Fair around our 60th anniversary activities.

Originally scheduled for January 17th, the Chamber requested a date change at the request of Mayor Cosgrove.

About The Club

The Resonator is published monthly and is the official (and only) newsletter of The Fair Lawn Amateur Radio Club. FLARC was established in 1956 and has met continuously since inception.

The club meets every Friday at 7PM at the club station at The Fair Lawn Community Center, 10-10 20th Street, Fair Lawn, NJ. Business meetings are the first Friday of the month at 7:30 PM.

Visitors are always welcome at our meetings.

FLARC operates the W2NPT repeater (145.470- PL 167.9) located atop the Community Center. The analog repeater is open to all amateurs for use without restrictions.

The club has more than 100 members.
Dues are currently \$25 per year.

For more information, please see our website,
<http://membership.FairLawnARC.org>

A Thanks For A Great Presentation!

Van (W2DLT) is congratulated by Ed (WX2R) at the conclusion of the February 17th presentation.



HELP WANTED!!

The club is participating at the Earth Day event at the Great Falls National Historical Park in Paterson on Thursday, April 13th from morning through mid-afternoon. As with last year's special event station, the club plans to operate a small station and demonstrate amateur radio to students from local Passaic County schools.

This is a weekday, daytime activity so if you're available to help, please let members of the Publicity Committee or Judith know.

Last year was great fun and highly satisfying in working with the kids (and park visitors) and we have no doubt that this year will be the same.

Thanks!!

BEQUEATHS AND DONATIONS

Planned gifts usually imply the family donation of amateur equipment to the club when someone has become a Silent Key. But it can be more. Club members might consider making a gift through a will or trust; gifts that help provide lifetime income to the club. Consult with your lawyer, estate planner or tax advisor if you feel such a gift is worthy.

Beeps Beeps 2

Friday nights at the Fair Lawn ARC are always interesting, as some of the members are involved in programming computers for MESH networking, some in contesting and others in cutting - edge technology of different types.

We have speakers on various topics several times a year and we participate in multiple community related events including but not limited to Field Day, the Memorial Day parade and National Parks On The Air. There is, of course, plenty of rag chewing -- with much to be learned. We look forward to seeing you at the club and encourage you to become a ham and a member if you have not already done so.

Fred, W2ABE Club Vice President

WA2ALY Honored By CQ Magazine

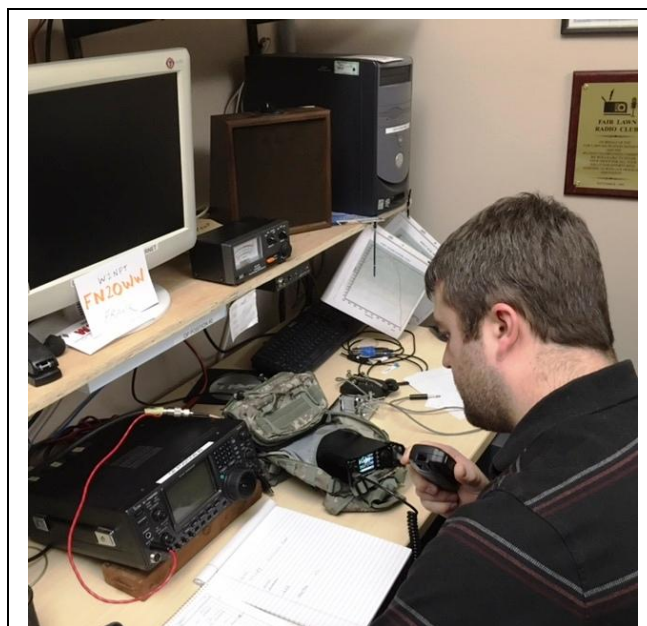
A large congratulation goes out to Larry (WA2ALY) for being awarded the **Five Band** Worked All Zones (WAZ) award from *CQ Magazine*.

WAZ is an amateur radio operating award given to those amateur radio operators who successfully complete two-way amateur radio communications with other amateur radio stations located in each of the 40 geographic zones of the world, as defined by the award sponsor, *CQ Amateur Radio*. It is available to radio amateurs world-wide. The basic award is for making such contacts using any combination of amateur radio bands and modes. The award Larry received, however, is for accomplishing that on five different bands!

The WAZ award began in 1934 and slightly predates the somewhat similar DXCC award.

As Jim, W2JC noted: "WOW !! That's impressive !!!... and only 1,946 of them have ever been issued in the whole world ;)

Shack Sightings

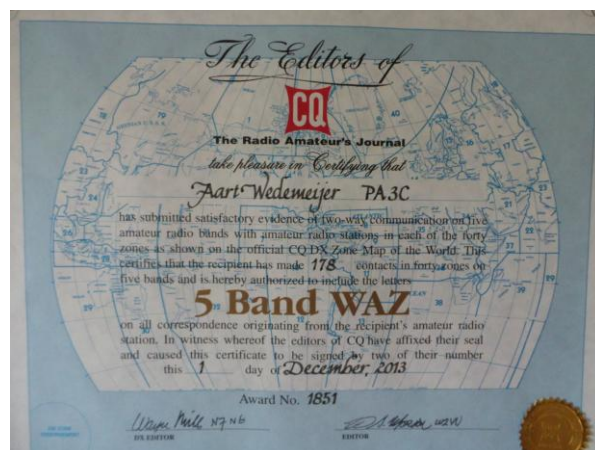


Brad (KD2GNY) tests some new gear on February 3rd.

**Who Says
Amateur Radio
Is Boring?™**



Worked All Zones map



The 5 Band WAZ certificate that WA2ALY will receive!

What's In Your Logbook?

Joe (K2JK) has an interesting array of DX added to his logbook this month. As always, great work and great hunting!!

02/01 TU5MH IVORY COAST 20M CW
02/01 TU5MH IVORY COAST 40M CW
02/08 E51DWC SOUTH COOK ISL 17M CW
02/10 JY9FC JORDAN 40m CW
02/15 5J0NA SAN ANDRES 15M CW
02/15 3XY3D GUINEA 17M CW
02/19 4X4NJ ISRAEL 40M CW
02/19 E51DWC SOUTH COOK ISL 40M CW
02/19 CR3W MADEIRA ISL 80M CW
02/19 MD2C ISLE OF MAN 80M CW
02/19 AH2R GUAM 40M CW
02/21 VP6EU PITCAIRN ISL 15M CW
02/21 VP6EU PITCAIRN ISL 17M CW
02/22 TX5T AUSTRAL ISL 15M CW
02/24 TY2AC BENIN 17M CW
02/25 TX5T AUSTRAL ISL 17M CW
02/25 TR8CA GABON 15M CW
02/27 S01WS WESTERN SAHARA 40M CW
02/28 PZ5RA SURINAME 17M CW

Candidate Night At FLARC

Rob Roschesk (KA2PBT) addressed the club on March 3rd. Rob is running for ARRL NNJ Section Manager and asked if he could appear at the club to state his background and credentials.

We thank Rob for appearing and wish him best of luck in the upcoming section election. Ballots will be sent to ARRL members shortly after April 1st.



Rob Roschesk (KA2PBT) addresses FLARC on March 3rd.

What's In Your Logbook?

As you know, *What's In Your Logbook* is a feature for not just DX but the unusual call or circumstance that ends up being part of your log.

Ed (WX2R) had one this month. Working at home on the afternoon of March 1st, he saw a note on the FRC listserv that 10 meters was open. Curious, he went up to check. Enter dumb luck.

There, in the clear, was UA2F calling CQ from Kaliningrad, a Russian oblast landlocked on the Baltic surrounded by NATO Europe. One call and he's in the log. A new one for Ed. The station dropped out about 20 minutes later.



Theoretics Demystified 3

LEDs. An LED or light emitting diode is a diode (a device that permits current to flow in only one direction) that, when power is applied in the forward or conducting direction & above the basic "on" voltage, the electrons of the material making up the semiconductor are forced to a higher, unstable energy state. They cannot stay there, as when in that higher state they left 'holes' or electron vacancies in the outer electron orbit. As they return to their original state, they give up the excess energy in the form of photons, or light.

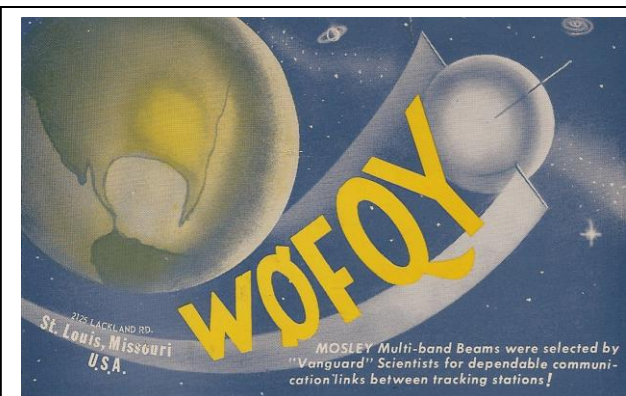
The type of semiconductor material determines the light wavelength or color. You can combine red, blue and green led emitters to add up to make white light. A higher power and more effective way is to use a high power blue or ultraviolet led to excite phosphor and thus create white light. This makes a fluorescent led! All leds need to get rid of excess heat, either through the mounting leads or through an added heat sink. Without small white leds our today's cell phones and tablets and of course LCD screens would not be possible or as thin as they are.

LEDs are easy to add to your projects. They will light at any voltage above their threshold -- just be sure to add a dropping resistor to limit the current to a safe value.

Fred Wawra, W2ABE

A Look Back

An interesting QSL from the FLARC collection. A 1957 QSO signed on the reverse by Carl E. Mosely, the founder of Mosely antennas. Note the reference to the Vanguard satellite -- America's first -- launched in January 1958.



W0FOY to W2TAF September 11, 1957

March 2017 Meeting Notes (1)

Minutes of the March 13, 017 FLARC business meeting are as follows:

The meeting was called to order at 7:29pm by President Judith, who led us in the Pledge of Allegiance.

When asked if there were visitors present, Rob Roschewsk, KA2PBT, raised his hand, along with a new member Rich. Also acknowledged were new members Angel, KD2MXJ and Carol. It was noted that Thom Guida has a new call, N2DI.

There was a quorum call, and it was found a quorum was in attendance to continue with the business portion of the meeting.

The minutes of the last meeting were accepted -- motion to accept was made by Ed, WX2R seconded by Bill, KB2OCJ.

Announcements:

We are still collecting dues, renewals are due now.

The club rooms will be cleaned out in the next few weeks, please take your stuff home if you don't want it thrown away.

Committee Reports:

Technical -- Karl, W2KBF, reported that Paul fixed the computer at position 3 after it was infected with malware due to the expiration of the antivirus program. The noise and other issues with the club repeater are continuing to be worked on.

Publicity -- Ed, WX2R, reported on the upcoming programs and events:

3/17 - In the Teen Room at the Rec Center, Ed, WX2R will give a summary of the member survey and what things will flow from it;

4/21 -- Matt, K2NUD, will give a talk on *Cyber Security* at the Senior Center

5/21 -- Gordon, W2TTT, will give a talk on *Mesh Networking and the NYC Marathon*, place

6/16 -- *Radio Astronomy* presentation/critique

4/13 -- at Great Falls, the National Park Service and Paterson school district Science/Earth Day event 10am to 3 or 4pm

6/11 -- Fair Lawn street fair

Ongoing -- STEM program for schools

Please "Like" our Facebook page and go to our website to stay informed about all of our activities.

History -- Working on a guest panel presentation for either July or August.

March 2017 Meeting Notes (2)

We then had a presentation by a guest speaker, Rob Roschewsk, KA2PBT, who is running for Northern New Jersey Section Manager for the ARRL.

Next we moved on to Old Business.
There was no old business.

Going on to New Business, Robert, KC2ORX, asked if we would consider making a \$300 donation to BCFMA. President Judith said she will bring it up for discussion with the board. Gordon, W2TTT, would like to work on looking at the tools and test equipment in the Radio Room and upgrading, fixing or getting rid of things. Vice President Fred, W2ABE, is willing to work with him. Ed, WX2R, brought up that some of our members have been involved in a "Snowbird" net with those members who have gone south for the winter. They were interested in using the club call sign when operating said net. President Judith said she would discuss it with Paul, W2IP, who is the trustee of the club's call sign.

More Announcements:

The BARA auction is next Sunday, 3/12 at Westwood High School. It starts at noon.

Jim, W2JC, was asked if he would present a "mini course" on how to use the club's website on subsequent weeks in the conference room.

Prayers and good wishes asked for Mary Ann Niemiec, K2RVH, Gene, K2KJI's wife, who is very ill.

Jim, W2JC, reminded everyone who is using the club station to please complete the log sheets and either give them to him or leave them where he can collect them to enter them into the permanent log. Also, he reminded everyone that the club call sign is not to be used except for club-sanctioned activities.

There will be a presentation about fox hunting at the BARA meeting on Sunday, 3/5

The Trenton ComputerFest is on 3/18.

On 5/19, the New Jersey State Police are holding a Camporee for the Boy Scouts in Seagirt, NJ. People are needed to help man a station/exhibit. If anyone is interested in helping out, please see Gordon, W2TTT.

A motion was made by Skip, KD2BRV, to accept all business discussed at the meeting, which was seconded by Tony, N2SIQ. The motion carried by acclamation.

March 2017 Meeting Notes (3)

A motion was made by Rob, KC2ORX, to adjourn the meeting, seconded by Thom, N2DI. The motion carried by acclamation and the meeting was adjourned at 8:28pm.

Respectfully submitted,

Nancy, N2FWI
Treasurer

March 2017 Business Meeting

Three new members at the March meeting . Wow!!
Welcome to FLARC!!



Judith (KC2LTM) leads the March business meeting.



The back benches were fully occupied for the March business meeting.